

Title (en)

MEMORY HUB AND METHOD FOR MEMORY SYSTEM PERFORMANCE MONITORING

Title (de)

SPEICHER-HUB UND VERFAHREN ZUR LEISTUNGSÜBERWACHUNG EINES SPEICHERSYSTEMS

Title (fr)

CONCENTRATEUR DE MEMOIRE ET PROCEDE PERMETTANT DE SURVEILLER LE RENDEMENT D'UNE MEMOIRE

Publication

**EP 1700412 A2 20060913 (EN)**

Application

**EP 04814491 A 20041215**

Priority

- US 2004042313 W 20041215
- US 74798403 A 20031229

Abstract (en)

[origin: US2005144403A1] A memory module includes a memory hub coupled to several memory devices. The memory hub includes at least one performance counter that tracks one or more system metrics-for example, page hit rate, number or percentage of prefetch hits, cache hit rate or percentage, read rate, number of read requests, write rate, number of write requests, rate or percentage of memory bus utilization, local hub request rate or number, and/or remote hub request rate or number.

IPC 8 full level

**G06F 12/02** (2006.01); **G06F 12/00** (2006.01); **G06F 13/16** (2006.01)

CPC (source: EP KR US)

**G06F 11/3409** (2013.01 - EP US); **G06F 11/3466** (2013.01 - EP US); **G06F 11/348** (2013.01 - EP US); **G06F 11/3485** (2013.01 - EP US); **G06F 11/349** (2013.01 - EP US); **G06F 12/00** (2013.01 - KR); **G06F 13/161** (2013.01 - EP US); **G06F 13/1694** (2013.01 - EP US); **G06F 2201/88** (2013.01 - EP US); **G06F 2201/885** (2013.01 - EP US)

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**US 2005144403 A1 20050630**; **US 7216196 B2 20070508**; CN 100507874 C 20090701; CN 101036129 A 20070912; EP 1700412 A2 20060913; EP 1700412 A4 20090121; JP 2007520800 A 20070726; JP 4700621 B2 20110615; KR 100848255 B1 20080725; KR 20060111640 A 20061027; TW 200537292 A 20051116; US 2007174562 A1 20070726; US 2008140904 A1 20080612; US 7360011 B2 20080415; US 7533213 B2 20090512; WO 2005065205 A2 20050721; WO 2005065205 A3 20070308

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**US 74798403 A 20031229**; CN 200480039256 A 20041215; EP 04814491 A 20041215; JP 2006547145 A 20041215; KR 20067013098 A 20060629; TW 93140969 A 20041228; US 2004042313 W 20041215; US 7027208 A 20080215; US 73106007 A 20070330